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Roll No.

B033415(033)

B. Tech. (Fourth Semester) Examination, April-May 2021

(Information Technology Branch)

INTERNET of THINGS

Time Allowed: Three hours

Maximum Marks: 100

Minimum Pass Marks: 35

Note: Attempt all questions. Part (a) from each question is compulsory. Attempt any two parts from part (b), (c) and (d) of each question.

(d) What is short game Next hear protocol? Describe

(b) Discuss various designs of IOT.	8

(a) Define IOT and its characteristics.

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III.	~	- 1
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	(c) What are various functional blocks of IOT?	8	4.	(a)	Write short notes on various design challenges in IOT.
	(d) Define various communication models and API's of			(b)	Explain the evolution and various application areas
	IOT. (883) 415 E08	8			of IOT.
	B. Turb. (Functly Sampster) Exambantion.			` ′	"Is Home Automation brings the new evolution in
2.		4			IOT", Justify?
	(b) Describe various gateways used in M2M.	8		(d)	Briefly explain survellance application.
	(c) What is the difference between IOT and M2M?	8			Unit-V
	(d) Write short notes on SUN.	8	5.	(a)	Discuss various tools of IOT.
	Unit-III				How various application are developed using IOT
					tools?
3.	(a) Define the term NFV.	4		(c)	Discuss various area of IOT focused on frontier
	(b) Describe physical design of IOT.	8			tech like Robotics, AI and bioengineering.
	(c) Explain various issues involved in accessing the			(d)	Write short notes on:
	wireless media in IOT.	8			(i) Raspberry Pi model
	(d) What is short range MAL layer protocol? Describe				(ii) STM32 LoRa WAN Board
	any one protocol in this.				2.
	Unit-IV	9			